Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/04/2020 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125618	0	2.30	125650	2.26
Blue	F	SSC	125000	124471	-1	1.79	125250	1.75
Blue	E	FITC	15892	15637	-2	2.88	340	21.00
Blue	D	PE	29999	29211	-3	1.99	638	15.48
Blue	B	PerCP-Cy5-5	43732	43574	-1	3.85	1162	21.88
Blue	A	PE-Cy7	30845	31042	0	6.56	585	43.44
Red	C	APC	46112	45039	-3	2.47	1592	12.39
Red	A	APC-Cy7	30458	29623	-3	2.38	785	12.11
Violet	B	V450	7918	7609	-4	4.55	429	12.89
Violet	A	V500	32171	30986	-4	4.32	724	10.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17165	12.94	656	35	N/A	N/A	Pass
Blue	F	SSC	56758	1.33	584	25	N/A	N/A	Pass
Blue	E	FITC	62	67.39	554	11	0.0184	169	Pass
Blue	D	PE	133	52.05	559	11	0.1435	260	Pass
Blue	B	PerCP-Cy5-5	212	52.39	668	12	0.0077	18	Pass
Blue	A	PE-Cy7	107	111.20	714	16	0.0099	25	Pass
Red	C	APC	379	26.03	590	6	0.0233	158	Pass
Red	A	APC-Cy7	173	29.45	562	6	0.0055	1140	Pass
Violet	B	V450	65	61.19	461	3	0.0647	2869	Pass
Violet	A	V500	109	32.48	477	3	0.0221	548	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.52	-32.21	1.04
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.69	13.60 - 20.40	N/A	N/A	29.63	29.94	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10792

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments